



Attorney Docket: 011765-0280083  
Client Reference: PJS/ALH/LAB/P8339US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT APPLICATION of:  
CHEN et al.

Confirmation Number: 8466

Application No.: 09/822,831

Group Art Unit: 1746

Filed: April 2, 2001

Examiner: Crepeau, Jonathan

Title: CONDUCTING POLYMER-CARBON NANOTUBE COMPOSITE MATERIALS AND THEIR USES

DECLARATION UNDER 37 C.F.R. §1.132

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

We, George Zheng CHEN, Derek John FRAY, Mark HUGHES, Milo Sebastian Peter SHAFFER, and Alan H. WINDLE, declare as follows:

1. We are the listed inventors of the subject matter of the above-identified application.
2. It has been explained to us that claim 17 of the above identified application has been rejected as anticipated under 35 U.S.C. § 102(a) by the article, "Carbon Nanotube and Polypyrrole Composites: Coating and Doping," published in Vol. 12, No. 7, on pp. 522-526 of Advanced Materials (2000) (hereinafter "the article").
3. It has been explained to us that claims 18-24 and 26 of the above-identified application have been rejected as obvious under 35 U.S.C. § 103(a) over Niu (U.S. Patent 6,205,016) in view of the article.
4. The authors of the article are George Z. Chen, Milo S.P. Shaffer, Dan Coleby, Gemma Dixon, Wuzong Zhou, Derek J. Fray and Alan H. Windle.
5. The article was published less than one year prior to the filing date of the above-identified application.

6. The subject matter disclosed in the article was derived from the listed inventors of the above-identified application, and not from the authors of the article.

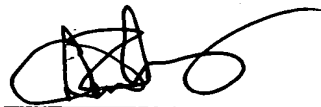
7. Gemma Dixon conducted experiments based on a demonstration provided by George Zheng Chen and supervised by Derek Fray. Gemma Dixon was listed as an author of the article as the impedance plots included in the article were the results of her experiments. Gemma Dixon did not contribute to the conception of the inventions of claims 17-24 and 26.

8. Dan Coleby conducted experiments related to the hypothesis that polypyrrole might be electromechanically produced from pyrrole, using carbon nanotubes as the anionic dopant. The hypothesis was introduced to Dan Coleby by George Zheng Chen. Dan Coleby was listed as an author of the article as the results of his experiments were included in the article. Dan Coleby did not contribute to the conception of the inventions of claims 17-24 and 26.

9. Wuzong Zhou was listed as an author of the article as he performed the transmission electron micrograph analysis for samples of the composite material. Wuzong Zhou did not contribute to the conception of the inventions of claims 17-24 and 26.

10. We hereby acknowledge that willful false statements and the like are punishable by fine or imprisonment, or both (18 U.S.C. § 1001) and may jeopardize the validity of the present application or any patent issuing thereon. All statements made of my own knowledge are true and all statements made on information and belief are believed to be true.

By:



George Zheng CHEN

Date:

04 Oct. 2005

By:

Derek John FRAY

Date:

6. The subject matter disclosed in the article was derived from the listed inventors of the above-identified application, and not from the authors of the article.

7. Gemma Dixon conducted experiments based on a demonstration provided by George Zheng Chen and supervised by Derek Fray. Gemma Dixon was listed as an author of the article as the impedance plots included in the article were the results of her experiments. Gemma Dixon did not contribute to the conception of the inventions of claims 17-24 and 26.

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9. Wuzong Zhou was listed as an author of the article as he performed the transmission electron micrograph analysis for samples of the composite material. Wuzong Zhou did not contribute to the conception of the inventions of claims 17-24 and 26.

10. We hereby acknowledge that willful false statements and the like are punishable by fine or imprisonment, or both (18 U.S.C. § 1001) and may jeopardize the validity of the present application or any patent issuing thereon. All statements made of my own knowledge are true and all statements made on information and belief are believed to be true.

By: \_\_\_\_\_  
George Zheng CHEN

Date: \_\_\_\_\_

By: DJ Fray  
Derek John FRAY

Date: 30/09/05

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By:

  
Mark ~~HUGHES~~ HUGHES

Date:

15/12/05

By:

~~Mr. Sebastian Peter SHAEFER~~

Date:

By:

Alan H. WINDLE

Date:

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By: Mark HUGES

Date: \_\_\_\_\_

By: Milo Sebastian Peter SHAFER

Date: 11.11.05

By: Alan H. WINDLE

Date: \_\_\_\_\_

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By: \_\_\_\_\_  
Mark HUGES

Date: \_\_\_\_\_

By: \_\_\_\_\_  
Milo Sebastian Peter SHAFFER

Date: \_\_\_\_\_

By: \_\_\_\_\_  
Alan H. WINDLE

Date: 17 Oct 2005